



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q77553

Kazuhids KAJIHARA, et al.

Appln. No.: 10/671,727

Group Art Unit: 1773

Confirmation No.: 6724

Examiner: Unknown

Filed: September 29, 2003

For: ALPHA-ALUMINA POWDER AND METHOD OF PRODUCING THE SAME

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Laid-Open Patent Publication No. 55-113615, published September 2, 1980, to Sumitomo Alum. Smelt. Co., Ltd., with English Abstract.
2. Japanese Laid-Open Patent Publication No. 61-201619, published September 6, 1986, to Agency of Ind. Science & Technology et al., with English Abstract.
3. Patent Abstracts of Japan, Publication No. 05-345611, published December 27, 1993. JPA 05-345611 corresponds to U.S. Patent No. 6,048,577.
4. U.S. Patent No. 6,048,577, issued April 11, 2000, to Garg.
5. Roger B. Bagwell et al., "Effect of Seeding and Water Vapor on the Nucleation and Growth of α -Al₂O₃ from γ -Al₂O₃", *J. Am. Ceram. Soc.*, Vol. 82, No. 4, 1999, pages 825-832.
6. Hongwei Ma et al., "Synthesis and Processing of Nano- α -Al₂O₃ Powders", *Key Engineering Materials*, Vols. 206-214, 2002, pages 43-46.

KAJIHARA et al.
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INFORMATION DISCLOSURE STATEMENT

7. Tsung-Shou Yeh et al., "Low-Temperature Sintering of Aluminum Oxide", *J. Am. Ceram. Soc.*, Vol. 71, No. 10, 1988, pages 841-844.

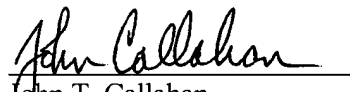
One copy of each of the listed documents, other than any U.S. patents and patent publications, is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,


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23373

CUSTOMER NUMBER

Date: February 19, 2004

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/671,727
Confirmation Number	6724
Filing Date	September 29, 2003
First Named Inventor	Kazuhids KAJIHARA
Art Unit	1773
Examiner Name	Unknown
Attorney Docket Number	Q77553

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 6,048,577	A	04-11-2000	Garg
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	55-113615	A	09-02-1980	Sumitomo Alum. Smelt Co., Ltd.	Abstract
		JP	61-201619	A	09-06-1986	Agency of Ind. Science & Technol.	Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Patent Abstracts of Japan corresponding to JPA 05-345611	
		Roger B. Bagwell et al., "Effect of Seeding and Water Vapor on the Nucleation and Growth of α -Al ₂ O ₃ from γ -Al ₂ O ₃ ", <i>J. Am. Ceram. Soc.</i> , Vol. 82, No. 4, 1999, pages 825-832	
		Hongwei Ma et al., "Synthesis and Processing of Nano- α -Al ₂ O ₃ Powders", <i>Key Engineering Materials</i> , Vols. 206-214, 2002, pages 43-46	
		Tsung-Shou Yeh et al., "Low-Temperature Sintering of Aluminum Oxide", <i>J. Am. Ceram. Soc.</i> , Vol. 71, No. 10, 1988, pages 841-844	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.